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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00418		
Subject:	Outage Management		
Title:	Outage Management Process Redesign		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input checked="" type="checkbox"/> Deletion	<input checked="" type="checkbox"/> Addition
Chapters:	5, 11	Appendix:	
Sections:	Chapter 5, section 6; Chapter 11 definitions		
Sub-sections proposed for amending:	various		

### PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel Review	May 26, 2015
2.0	Publish for Stakeholder Review and Comment	June 4, 2015
3.0	Submitted for Technical Panel Vote	June 30, 2015
4.0	Recommended by Technical Panel; Submitted for IESO Board Approval	July 7, 2015
5.0	Approved by IESO Board	August 26, 2015
Approved Amendment Publication Date:	August 27, 2015	
Approved Amendment Effective Date:	The effective date will be after the completion of the IOMS software replacement which is expected in the third quarter of 2016, and will be specified by the Chief Executive Officer in a notice to all market participants.	

### PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

#### Summary

The IESO proposes to amend the market rules to implement a new outage management process designed to achieve the following objectives:

- Improve outage management related services for market participants;
- Maximize the efficiency and effectiveness of participant and IESO activities that support outage management;
- Reduce the risk of reliability standards violations associated with outage related processes; and
- Facilitate the replacement of the Integrated Outage Management System (IOMS) with a software solution that supports a new outage management process.

The rule amendments incorporate feedback and discussions from the Outage Management Process Redesign stakeholder engagement initiative. Further information can be found at:

<http://www.ieso.ca/Pages/Participate/Stakeholder-Engagement/SE-109.aspx>

#### Background

Please refer to MR-00418-Q00:

[http://www.ieso.ca/Documents/Amend/mr2015/MR\\_00418\\_MRA\\_Submission%20v2.0.pdf](http://www.ieso.ca/Documents/Amend/mr2015/MR_00418_MRA_Submission%20v2.0.pdf)

#### Discussion

The IESO has developed an outage management process to replace the interim outage management process implemented under MR-00404-R00. The proposed outage management process will be supported by the replacement of the outage management software. Under the revised process, a market participant may request quarterly advance approval, weekly advance approval, three-day advance approval or one-day advance approval. The concepts of three-day and one-day advance approval are retained from the interim process while new weekly and quarterly advance approvals replace the existing 14-day advance approval. The IESO is obligated to consider all planned outages submitted for advance approval, provided the submissions are within the applicable deadlines. Late submissions may be considered at the IESO's discretion, in circumstances where the request represents an unexpected opportunity. The revised process allows for automated advance approvals, as well as providing for forced outages. The components of the revised process are summarized below.

#### Quarterly Advance Approvals

Submissions of planned outages for quarterly advance approval are voluntary. All planned outages starting in the coverage period will be studied by the IESO if they are submitted prior to the start of the corresponding study period.

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The coverage and corresponding study period timelines of the quarterly advance approval process are shown in Figure 1 below. Each period begins on the first day of the period month and ends on the last day of the period month.

Figure 1: Quarterly Advance Approval Process Timeline

MONTHS																	
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Study			Coverage														
			Study			Coverage											
						Study			Coverage								
									Study			Coverage					

At the end of the study period, the IESO will issue each outage one of the following:

- Quarterly advance approval (higher priority);
- At Risk (lower priority).

Planned outages issued an ‘at risk’ that were scheduled to start in the first 3 months of the current coverage period will be considered for weekly advance approval (‘critical’ planned outages, and ‘non-critical’ or ‘low-impact’ outages that have confirmed a request to be considered for weekly advance approval) or three-day advance approval (all other ‘non-critical’ or ‘low-impact’ planned outages). Alternatively, the market participant may resubmit the planned outage to start beyond the first 3 months of the current coverage period and retain the priority date provided the planned outage was originally scheduled to start in the first 3 months of the current coverage period and resubmission occurs prior to the start of the next quarterly study period. Planned outages issued an ‘at risk’ and starting in the last 3 months of the current coverage period will be considered for quarterly advance approval in the next quarterly study period.

#### Weekly Advance Approvals

Submissions of planned outages for weekly advance approval are mandatory for ‘critical’ planned outages and voluntary for ‘non-critical’ or ‘low-impact’ planned outages. All planned outages starting in the coverage period will be studied by the IESO if they are submitted prior to the start of the corresponding study period. ‘Non-critical’ and ‘low-impact’ planned outages must confirm their intent to participate in the weekly advance approval process prior to the start of the study period. New submissions, including any ‘at risk’ outages from the quarterly advance approval process, will be studied against outages that have already received quarterly advance approval (quarterly advance approved outages have priority).

The coverage and corresponding study period timelines of the weekly advance approval process are shown in Figure 2 below. The coverage period begins at 00:00 EST on a Monday and ends at 23:59 EST on a Sunday. The study period begins 16:00 EST on a Friday and ends at 15:59 EST on the following Friday.

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Figure 2: Weekly Advance Approval Process Timeline

		DAYS						
		S	M	T	W	T	F	S
WEEKS	1							
	2	Study						
	3							
	4	Coverage						
	5							

At the end of the study period, the IESO will issue the following:

- Weekly advance approval for ‘at risk’ outages and new submissions;
- Rejection of ‘at risk’ outages and new submissions;
- Revocation of quarterly advance approvals (if advance approval cannot be retained).

Three-Day Advance Approvals

Submissions of planned outages for three-day advance approval are mandatory for ‘non-critical’ planned outages and voluntary for ‘low impact’ planned outages. All planned outages starting in the coverage period will be studied by the IESO if they are submitted prior to the start of the corresponding study period. New submissions, including any remaining ‘at risk’ outages from the quarterly advance approval process, will be studied against outages that have already received quarterly and weekly advance approval (quarterly advance approved outages have priority, followed by weekly advance approved outages).

The coverage and corresponding study period timelines of the three-day advance approval process are shown in Figure 3 below. The coverage period begins 00:00 EST and ends 23:59 EST each business day (note that weekends and holidays are included as part of the business day that follows the weekend/holiday). The study period begins at 16:00 EST each business day and ends 15:59 EST, two business days later.

Figure 3: Sample Three-Day Advance Approval Process Timeline

		DAYS						
		S	M	T	W	T	F	S
WEEKS	1							
	2	Study						
WEEKS	1							
	2	Coverage						

At the end of the study period, the IESO will issue the following:

- Three-day advance approval for ‘at risk’ outages and new submissions;
- Rejection of ‘at risk’ outages and new submissions;
- Revocation of quarterly and weekly advance approvals (if advance approval cannot be retained).

One-Day Advance Approvals

Submissions of planned outages for one-day advance approval are mandatory for ‘low impact’ planned outages. All planned outages starting in the coverage period will be studied by the IESO if they are submitted prior to the corresponding study period. New submissions are studied against outages that have already received quarterly, weekly and three-day advance approval (quarterly advance approved

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outages have priority, followed by weekly advance approved outages and three-day advance approved outages).

The coverage and corresponding study period timelines of the one-day advance approval process are shown in Figure 4 below. The coverage period begins 00:00 EST and ends 23:59 EST each business day (note that weekends and holidays are included as part of the business day that follows the weekend/holiday). The study period begins 16:00 EST each business day and ends 13:59 EST, one business day later.

Figure 4: Sample One-Day Advance Approval Process Timeline

		DAYS						
		S	M	T	W	T	F	S
WEEKS	1					Study		
	2	Coverage						

		DAYS						
		S	M	T	W	T	F	S
WEEKS	1		Study		Coverage			
	2							

At the end of the study period, the IESO will issue the following:

- One-day advance approval for new submissions;
- Rejection of new submissions;
- Revocation of quarterly, weekly and three-day advance approvals (if advance approval cannot be retained).

#### Automated Advance Approvals

In addition to the manual advance approval processes, a subset of ‘low-impact’ outages may receive automatic advance approval upon submission. The priority of the outage will be based on the time of submission and the advance approval process it would have been manually studied in by the IESO

#### Late Planned Outages

Under the new process, late submissions may be considered at the IESOs discretion, in circumstances where the request represents an unexpected opportunity to accomplish work that would otherwise have been unable to proceed. The IESO is under no obligation to consider such late submissions, but may do so where the opportunity presents a low risk to the reliability of the IESO-controlled grid and a low risk to the IESO.

#### Forced Outages

Forced outages – either immediate or with advance notice – are non-discretionary outages that do not require advance approval to start. They are studied by the IESO soon after they are submitted, for the purposes of determining whether the studies performed for all other outages scheduled to occur with the forced outage are still valid. Forced outages have priority over all planned and late planned outages.

#### Proposed Rule Amendments

To implement the outage management process outlined above it is proposed to:

- Remove the 14-day advance approval process which will be replaced with a quarterly advance approval process and a weekly advance approval process, and amend the existing three-day advance approval and pre-approval processes to reflect the obligations of the proposed three-day advance approval and one-day advance approval processes.

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- Obligate participants to submit their planned outages in accordance with the submission requirements for each advance approval process.
- Amend the process by which market participants may make late submissions for approval of a planned outage.
- Obligate the timeframe in which the IESO will provide notice whether advance approval has been granted under each advance approval process.
- Amend the IESO’s obligation to provide advance approval based on daily instead of weekly adequacy assessments. The IESO is revising the adequacy reporting obligations under MR-00417: Adequacy Reporting Refresh and weekly assessments will be replaced by daily assessments during the relevant timeframe.
- Amend the process by which market participants may receive compensation for any costs, losses or damage associated with advance approval outages that are subsequently rejected, revoked or recalled.
- Introduce and amend defined terms in Chapter 11 to align the outage planning related definitions with this outage management process.

#### Chapter 5

**Sections 6.2.2B – 6.2.2H**– It is proposed to remove these sections which reference the 14-day advance approval process since it will be replaced with the proposed quarterly and weekly advance approval processes.

**Sections 6.2.2I and 6.2.2J** – It is proposed to remove these sections which reference the pre-approval process since this process will be replaced with the proposed one-day advance approval process.

**Sections 6.2.2K and 6.2.2L (new)** – New section 6.2.2K will allow market participants to request quarterly advance approval, weekly advance approval, three-day advance approval and one-day advance approval in accordance with section 6 and the criteria outlined in the applicable market manual. New section 6.2.2L will obligate the IESO to consider planned outages submitted in accordance with section 6 of Chapter 5 of the market rules and the processes specified in the applicable market manual. I.e., planned outages submitted within the criteria for requesting quarterly, weekly, three-day or one-day advance approval will be assessed by the IESO as described in the discussion above.

**Section 6.3.8** – Amend this section to replace ‘precedence’ with ‘priority’ consistent with changes throughout section 6, and to expand the cross-references within this section to include new section 6.4.20 (explained below).

**Section 6.4.1** – Replace the section cross-references to refer to the new quarterly and weekly advance approval processes which will replace the 14-day advance approval process.

**Section 6.4.1.3** – Replace 14-day advance approval and pre-approval with weekly advance approval. Under the new process, participants will need to confirm requests for weekly advance approval.

**Section 6.4.1A** – It is proposed to delete this section since the 14-day advance approval process will be discontinued under the revised process.

**Section 6.4.1B** – It is proposed to provide submission timelines for quarterly advance approval in this

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section which was previously created (and left blank for this purpose) during the interim process under MR-00404-R00.

**Section 6.4.1C** – It is proposed to provide submission timelines for weekly advance approval in this section which was previously created (and left blank for this purpose) during the interim process under MR-00404-R00.

**Section 6.4.1E** – Amend this section to replace pre-approval with one-day advance approval. Submission timelines remain the same.

**Section 6.4.2** – Amend this section to replace ‘precedence’ with ‘priority’ consistent with changes throughout section 6, and to expand the cross-references within this section to include new section 6.4.20.

**Section 6.4.3** – Amend section 6.4.3.1 to reflect that an outage could be submitted in accordance with the timelines for each process, or late. It is proposed to amend section 6.4.3.3 to reference the sections in which quarterly, weekly, three-day or one-day advance approval is granted by the IESO.

**Section 6.4.4.1** – Amend this section to refer to the appropriate adequacy assessments. Under MR-00417-R00, the weekly assessments are being replaced with a daily publishing timeframe and the rule changes are expected in advance of the amendments under this proposal. Therefore it is proposed to delete the reference to weekly assessments. It is also proposed to add quarterly assessments, since these assessments will be used to evaluate planned outages submitted for quarterly advance approval.

**Section 6.4.4.4A** – It is proposed to remove this section since the 14-day advance approval process will be discontinued and replaced with the proposed quarterly and weekly advance approval processes.

**Section 6.4.4.4B (new)** – This new section will obligate the IESO to advise a market participant, within a specific timeframe, whether quarterly advance approval has been granted. This includes outages that were originally flagged as ‘at risk’ from a previous quarterly advance approval period.

**Section 6.4.4.4C (new)** – This new section will obligate the IESO to advise a market participant, within a specific timeframe, whether weekly advance approval has been granted. This will include outages that were originally flagged as ‘at risk’ from a previous quarterly advance approval period.

**Section 6.4.4.5**– Amend this section to obligate the IESO to advise a market participant that had an outage originally flagged as ‘at risk’ from a quarterly advance approval period, whether that outage has been granted three-day advance approval.

**Section 6.4.4.5A**– Amend this section to replace pre-approval with one-day advance approval.

**Section 6.4.4.6**– Amend this section to refer to the quarterly, weekly, three-day and one-day advance approval sections.

**Section 6.4.6** – It is proposed to amend the title of this section to apply to late submissions of planned outages. Under the new process, market participants may make a late request for a planned outage after the deadlines for requesting quarterly, weekly, three-day or one-day advance approval have expired. Such requests are for unexpected opportunities to do work. The IESO will not be obligated to consider such late submissions but may do so where the opportunity presents a low risk to the IESO and the IESO-controlled grid.

**Section 6.4.7** – Amend this section to replace the section reference to 14-day advance approval with section references to submissions for quarterly and weekly advance approval.

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**Section 6.4.10** – Amend this section to replace the section reference to 14-day advance approval with section references for submissions to quarterly and weekly advance approval. Furthermore, It is proposed to amend this section to replace ‘precedence’ with ‘priority’ consistent with changes throughout section 6.

**Section 6.4.13** – In the title above this section, it is proposed to replace ‘precedence’ with ‘priority’, consistent with changes throughout section 6. It is proposed to amend section 6.4.13 to replace ‘time stamp’ with ‘priority date’, ‘precedence’ with ‘priority’ and to expand the cross-references for outage priority to include new section 6.4.20. A priority date represents the submission date of a planned outage request and is used in determining the priority assigned to an outage.

**Section 6.4.14A (new)** – This new section will define the priority of outages within each level of advance approval and between the levels of advance approval. Both the priority date and the level of advance approval are used to determine the priority. Within outages with the same level of advance approval, the priority date determines the priority. For outages with different levels of advance approval, the higher level of advance approval is prioritized. For example, an outage with weekly advance approval has a higher priority than an outage with three-day advance approval.

**Section 6.4.15** – Amend this section to replace ‘time stamp’ with ‘priority date’ and ‘precedence’ with ‘priority’.

**Section 6.4.16** – Amend this section to replace the section reference to 14-day advance approval with section references for submissions to quarterly and weekly advance approval. Furthermore, It is proposed to amend this section to replace ‘time stamp’ with ‘priority date’ and ‘precedence’ with ‘priority’.

**Section 6.4.17** – Amend this section such that if the IESO rejects weekly, three-day or one-day advance approval, and the market participant re-submits the planned outage for quarterly, weekly, three-day or one-day advance approval, the priority date of the planned outage will be retained. It is proposed to replace “time stamp” with “priority date” and ‘precedence’ with ‘priority’.

**Section 6.4.19**– Amend this section such that if the IESO recalls a planned outage and the market participant re-submits the outage for quarterly, weekly, three-day or one-day advance approval within a specific timeframe, the priority date prior to the recall will be retained. Furthermore, it is proposed to replace “time stamp” with “priority date” and ‘precedence’ with ‘priority’.

**Section 6.4.20 (new)** – This new section will specify that a market participant can retain the priority date for a planned outage that was deemed ‘at risk’ for quarterly advance approval, provided the outage is re-submitted prior to the start of the six month period in which the outage was originally intended to start, and the revised start date is after the first three months of the six month period in which the outage was originally intended to start.

**Section 6.4A.1.1** – Amend this section to allow for the IESO to provide advance notification that an outage may be returned to service.

**Section 6.4B.1** – It is proposed to amend the subsections under 6.4B.1 to allow a market participant to commence or complete a planned outage on the basis of advance notification provided by the IESO. Subsection 6.4B.1.1 relates to commencement of an outage and shall refer to section 6.4.3.3 to allow the IESO to provide final approval at a pre-arranged time. Subsection 6.4.B.1.2 relates to completion of an outage and shall refer to section 6.4A.1.1 (above).

**Section 6.7.2** – This section outlines the compensation to market participants who have an outage



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revoked or recalled by the IESO. It is proposed to add an exception under new section 6.7.3B. It is also proposed that the outages must have been submitted for advance approval in accordance with the deadlines for quarterly, weekly, three-day and one-day advance approval.

**Section 6.7.3A** – Amend this section to replace 14-day advance approval with quarterly and weekly advance approval.

**Section 6.7.3B (new)** – This new section will provide for exclusions to compensation entitlement for outages starting in the last three months of a quarterly coverage period and granted quarterly advance approval and where the advance approval is revoked during the study period that corresponds to the start of the next quarterly coverage period.

**Chapter 11 Definitions**

It is proposed to eliminate the definitions for 14-day advance approval and pre-approval. These are replaced with definitions for quarterly advance approval, weekly advance approval and one-day advance approval. The definition of advance approval will be expanded to include the new process.

**PART 4 – PROPOSED AMENDMENT****Chapter 5****6. Outage Coordination****6.2 Outage Planning**

6.2.1 Each *market participant* shall inform the *IESO* of its long-term plans for *outages* in accordance with the provisions of this section 6.2.

6.2.2 Each *market participant* shall establish its *outage* planning process in such manner as will enable it to comply with its reporting and scheduling obligations under this section 6. Without limiting the generality of the foregoing, *market participants* shall be required to plan *outages* in advance of the anticipated date of the *planned outage* in accordance with the submission requirements of this section 6.

6.2.2A ~~– 6.2.2J~~ [Intentionally left blank – sections deleted]

a) ~~[Intentionally left blank – section deleted]~~

b) ~~[Intentionally left blank – section deleted]~~

**~~Requests for 14-Day Advance Approval – Generation Facility Outages~~**

~~6.2.2B – A market participant may request 14 day advance approval for one planned outage for a generation facility per calendar year. If the IESO either:~~

~~• does not grant 14 day advance approval for the planned outage; or~~

- ~~does grant 14 day advance approval but subsequently revokes the 14 day advance approval or recalls the planned outage;~~

~~the market participant may make a second request for 14 day advance approval for that planned outage for that generation facility in the same calendar year. If the IESO then either:~~

- ~~does not grant 14 day advance approval for the planned outage; or~~
- ~~does grant 14 day advance approval but subsequently revokes the 14 day advance approval or recalls the planned outage;~~

~~the market participant may make a third request for 14 day advance approval for that planned outage for that generation facility in the same calendar year.~~

~~6.2.2C A market participant may request 14 day advance approval for two planned outages per calendar year for generation units within a single generation facility or for separate generation facilities with co-dependent electricity production provided that:~~

- ~~the market participant can satisfy the IESO that the two planned outages are co-dependent; and~~
- ~~the market participant identifies the total capacity impact for the generation facility or generation facilities in question for each planned outage.~~

~~If the IESO either:~~

- ~~does not grant 14 day advance approval for a co-dependent planned outage; or~~
- ~~does grant 14 day advance approval but subsequently revokes the 14 day advance approval or recalls a co-dependent planned outage;~~

~~the market participant may make a second request for 14 day advance approval for that co-dependent planned outage in the same calendar year. If the IESO then either:~~

- ~~does not grant 14 day advance approval for the co-dependent planned outage; or~~
- ~~does grant 14 day advance approval but subsequently revokes the 14 day advance approval or recalls the co-dependent planned outage;~~

~~the market participant may make a third request for 14 day advance approval for that co-dependent planned outage for that generation facility in the same calendar year.~~

~~6.2.2D A market participant may request 14 day advance approval of planned outages for a generation facility more often than permitted under sections 6.2.2B and~~

~~6.2.2C. The market participant must satisfy the IESO as to why the planned outages should be considered for 14-day advance approval.~~

### **~~Requests for 14-Day Advance Approval—Transmission, Distribution and Load Equipment Outages~~**

~~6.2.2E—A market participant may request 14-day advance approval for up to two planned outages per calendar month for:~~

- ~~• equipment associated with a load facility;~~
- ~~• transmission equipment; or~~
- ~~• distribution equipment.~~

~~6.2.2F—A market participant may request 14-day advance approval for planned outages for transmission equipment, distribution equipment or equipment associated with a load facility more often than permitted under sections 6.2.2E. The market participant must satisfy the IESO as to why the planned outage should be considered for 14-day advance approval.~~

### **~~IESO Obligation to Consider Planned Outages for 14-Day Advance Approval~~**

~~6.2.2G—The IESO shall consider all planned outages submitted under sections 6.2.2B, 6.2.2C, and 6.2.2E for 14-day advance approval.~~

~~6.2.2H—The IESO may consider planned outages submitted under sections 6.2.2D and 6.2.2F for 14-day advance approval.~~

### **~~Requests for Pre-Approval~~**

~~6.2.2I—A market participant may request pre-approval for a planned outage only if the equipment or facilities associated with the planned outage comply with the pre-approval criteria specified in the applicable market manual.~~

### **~~IESO Obligation to Consider Planned Outages for Pre-Approval~~**

~~6.2.2J—The IESO shall consider all planned outages submitted under section 6.2.2I for pre-approval.~~

### **Requests for Advance Approval**

~~6.2.2K—A market participant may request quarterly advance approval, weekly advance approval, three-day advance approval or one-day advance approval for a planned outage of equipment or facility in accordance with this section 6 and the applicable market manual.~~

### **IESO Obligation to Consider Planned Outages for Advance Approval**

6.2.2L The IESO shall consider all *planned outages* submitted under section 6.2.2K for *advance approval* in accordance with this section 6 and the processes specified in the applicable market manual.

## 6.3 Outage Scheduling with the IESO

### Planned Outages

- 6.3.1 Subject to section 6.1.3 and 6.4, each *market participant* shall submit its current schedule of all *planned outages*, regardless of duration, to the *IESO*.
- 6.3.2 A *planned outage* submitted by a *market participant* pursuant to section 6.3.1 shall represent the intent of the *market participant* to take the relevant equipment out of service at the scheduled time and to return the relevant equipment to service at the scheduled time.
- 6.3.3 [Intentionally left blank – section deleted]

### Forced Outages

- 6.3.4 Each *market participant* shall to the maximum extent possible notify the *IESO* in advance of a *forced outage* and provide a brief description of the nature and causes of the *forced outage*. When such advance notice cannot be given, the *market participant* shall promptly notify the *IESO* of the occurrence of a *forced outage* and provide a brief description of the nature and causes of the *forced outage*.
- 6.3.5 Whenever, in the opinion of the *IESO*, a *forced outage* has had a significant impact on the *reliability* of the *IESO-controlled grid*, or gives rise to potential *reliability* concerns, the *IESO* may require the *market participant* experiencing the *forced outage* to provide a detailed description of the nature and causes of the *forced outage* to the *IESO*. Such description of the *forced outage* shall be provided as soon as practicable and in any event within 48 hours, or within such longer period of time as may be agreed to by the *IESO* in any given case, following the start of the *forced outage*. The *IESO* may also require the *market participant* experiencing the *forced outage* to provide a detailed description of the steps that the *market participant* intends to take to prevent any recurrence of the circumstances that led to the *forced outage*. Such description shall also be provided as soon as practical and in any event within 48 hours, or within such longer period of time as may be agreed to by the *IESO*, following the start of the *forced outage*.

### Replacement Energy to Support Planned Outages

- 6.3.6 A *generator* may, no later than the time specified in section 6.4.1, in requesting a *planned outage* in accordance with section 6.3.1, notify the *IESO* that the *generator* shall arrange replacement *energy offers* in the form of an import to support the *outage* request. A *generator* may, when requesting an extension to an *outage* under section 6.4.7 or resubmitting an *outage* under section 6.4.10, notify

the *IESO* that the *generator* shall arrange replacement *energy offers* in the form of an import to support the *outage* extension or resubmission. For certainty, this section shall not under any circumstances impose any explicit or implicit obligation on either a *generator* to so notify the *IESO*, or if so notified, the *IESO* to approve or accept any such arrangement. Upon notice to the *IESO*, a *generator* may withdraw the arrangement for replacement *energy offers* at any time up to final approval of the *outage* or up to the final approval of the extension to or resubmitting of the *outage*.

- 6.3.7 The *generator* shall provide the following information to the *IESO* when in accordance with section 6.3.6 it either submits a *planned outage* request or requests the extension to or resubmission of an *outage*:
- 6.3.7.1 Subject to the approval of the *IESO*, the *intertie* zone or zones through which the replacement *energy* is intended to be scheduled; and,
- 6.3.7.2 The *registered market participant* associated with a *registered facility* that is a *boundary entity* that shall submit the *offers* and, pursuant to section 7.5.8A of Chapter 7, schedule the replacement *energy* if *dispatched* by the *IESO*.
- 6.3.8 The *IESO* may limit the number and aggregate size of *outages* supported by replacement *energy* and, where the number and aggregate size of *outages* is limited the *IESO* shall determine the precedencepriority of the *outages*, in accordance with sections 6.4.13 through 6.4.1820.
- 6.3.9 The *IESO* may specify and inform the *generator* of the minimum amount of replacement *energy* in megawatts and the duration of *offers* necessary to support the *planned outage* request or the request for the extension to or rescheduling of the *outage*.
- 6.3.10 If the *registered market participant* associated with a *registered facility* that is a *boundary entity* referred to in section 6.3.7.2 fails to submit *offers* for the replacement *energy*, that have been arranged by the *generator*, the *generator* shall be subject to the financial penalties calculated in accordance with the provisions of section 6.6.8 of Chapter 3.

## 6.4 Submission of Outage Schedules and IESO Approval of Outage Schedules

- 6.4.1 In order to obtain *IESO* approval of a *planned outage*, a *market participant* shall submit a *planned outage* with the *IESO* under the timelines specified in sections ~~6.4.1A~~6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E. At the time of the submission, the *market participant* shall:
- 6.4.1.1 provide information about the recall of the *planned outage*, including the time required to return the *facilities* or equipment to service and other applicable conditions of recall; and

- 6.4.1.2 [Intentionally left blank – section deleted]
- 6.4.1.3 confirm, if applicable and as specified in the applicable *market manual*, the request for ~~14-day advance approval or pre-approval~~weekly advance approval for the *planned outage*.
- 6.4.1A ~~[Intentionally left blank – section deleted]~~If requesting a 14-day advance approval of a planned outage, the market participant shall submit the planned outage with the IESO no later than 16:00 EST on the 21<sup>st</sup> calendar day prior to the start date of the planned outage.
- 6.4.1B ~~[Intentionally left blank]~~If requesting quarterly advance approval of a planned outage, the market participant shall submit the planned outage with the IESO no later than 00:00 EST on the first day of the month that is three months prior to the start of a six month period, beginning with the next calendar quarter, in which the planned outage is scheduled to start.
- 6.4.1C ~~[Intentionally left blank]~~If requesting weekly advance approval of a planned outage, the market participant shall submit the planned outage with the IESO no later than 16:00 EST on the third Friday prior to the start of the week, starting Monday, in which the planned outage is scheduled to start, and confirm the request for weekly advance approval in accordance with section 6.4.1.3.
- 6.4.1D If requesting a *three-day advance approval* of a *planned outage*, the *market participant* shall submit the *planned outage* with the *IESO* no later than 16:00 EST on the fifth *business day* prior to the start date of a *planned outage*.
- 6.4.1E If requesting ~~pre-approval~~one-day advance approval of a *planned outage* the *market participant* shall submit the *planned outage* with the *IESO* no later than 16:00 EST on the second *business day* prior to the start date of the *planned outage*.
- 6.4.2 Where the scheduling of *planned outages* submitted by different *market participants* conflicts such that the *planned outages* cannot both or all be approved by the *IESO*, the *IESO* shall inform the affected *market participants* and request that they resolve the conflict. Should the conflict remain unresolved, the *IESO* shall determine which of the *planned outages* can be approved on the basis of the ~~precedence priority~~20 accorded to each *planned outage* pursuant to sections 6.4.13 to 6.4.1820.
- 6.4.3 No *planned outage* shall occur or be permitted by a *market participant* to occur unless:
- 6.4.3.1 the *planned outage* has been submitted with the *IESO* in accordance with sections 6.4.1 or 6.4.6;
- 6.4.3.2 the *planned outage* has been approved by the *IESO* in accordance with this section 6.4;



- 6.4.3.3 immediately prior to the scheduled commencement of the *planned outage* or at a pre-arranged time specified by the *IESO* when providing the *advance approval* referred to in sections ~~6.4.4.4A~~6.4.4.4B, 6.4.4.4C, 6.4.4.5 and 6.4.4.5A, the *market participant* has requested from the *IESO* and has received the *IESO*'s final approval to the *planned outage*; and
- 6.4.3.4 the removal from service of the relevant equipment or *facilities* is undertaken under the direction of the *IESO* where the *IESO* has made the determination referred to in section 6.4.4.6.

6.4.4 The *IESO* shall:

- 6.4.4.1 provide *advance approval* for a *planned outage* submitted to it pursuant to section 6.4.1 and shall provide its final approval to the *planned outage* pursuant to section 6.4.3.3 unless it determines, based primarily on the quarterly assessments referred to in section 7.3.1.2 ~~weekly assessment referred to in section 7.3.1.3 with emphasis on the first two weeks~~ and on the daily assessments referred to in section 7.3.1.4, that the *planned outage*, including but not limited to a *planned outage* identified by an *embedded generator*, will or is reasonably likely to have an adverse impact on the *reliable* operation of the *IESO-controlled grid*;
- 6.4.4.2 assess each *planned outage* submitted under section 6.4.1;
- 6.4.4.3 following receipt of an *outage* submission pursuant to section 6.2.1, 6.3.1, or 6.4.1, advise the relevant *market participant* of the existence of any conflict with a *planned outage* planned by another *market participant*;
- 6.4.4.4 if the *market participant* submitted the *planned outage* with the *IESO* under section 6.4.1, advise the relevant *market participant* of the expected outcome of the approval process;
- 6.4.4.4A ~~[Intentionally left blank – section deleted]if the market participant submitted its planned outage and request for 14 day advance approval under section 6.4.1A, advise the market participant whether or not 14 day advance approval of the planned outage has been granted no later than 16:00 EST on the last business day that is at least 14 calendar days before the schedule start date of the planned outage. Where the IESO does not grant 14 day advance approval, the IESO shall consider the planned outage for three day advance approval;~~
- 6.4.4.4B if the market participant submitted its planned outage for quarterly advance approval under section 6.4.1B, advise the market participant whether or not quarterly advance approval of the planned outage has been granted no later than the end of the month that is one month prior

to the start of the six month period, starting with the next calendar quarter, in which the *planned outage* is scheduled to start. Where the *IESO* does not grant *quarterly advance approval*, the *IESO* shall subsequently consider the *planned outage* for either *quarterly advance approval* in accordance with this section 6.4.4.4B, *weekly advance approval* in accordance with section 6.4.4.4C, or *three-day advance approval* in accordance with section 6.4.4.5, and as specified in the applicable *market manual*;

- 6.4.4.4C if the *market participant* submitted its *planned outage* for *weekly advance approval* under section 6.4.1C or if the *IESO* considered the *planned outage* for *weekly advance approval* in accordance with section 6.4.4.4B, and if the *market participant* confirmed the request for *weekly advance approval* in accordance with section 6.4.1.3, advise the *market participant* of the *weekly advance approval* or rejection of the *planned outage* no later than 16:00 EST on the second Friday prior to the week, starting Monday, in which the *planned outage* is scheduled to start.
- 6.4.4.5 if the *market participant* submitted its *planned outage* for *three-day advance approval* under section 6.4.1D, or if the *IESO* considered the *planned outage* for *three-day advance approval* in accordance with section 6.4.4.4B, if applicable advise the *market participant* of the *three-day advance approval* or rejection of the *planned outage* no later than 16:00 EST on the third *business day* prior to the day on which the *planned outage* is scheduled to commence;
- 6.4.4.5A if the *market participant* submitted its *planned outage* and request for ~~*pre-approval*~~ *one-day advance approval* under section 6.4.1.E, advise the *market participant* of the *one-day advance approval* or rejection of the *planned outage* no later than 14:00 EST on the *business day* prior to the day on which the *planned outage* is scheduled to commence; and
- 6.4.4.6 when providing the final approval referred to in section 6.4.4.1, advise the *market participant* if the submitted *planned outage* is to be undertaken under the direction of the *IESO* where the *IESO* has made a determination that this is necessary to maintain the *reliability* of the *IESO-controlled grid*. If it is known in advance, the *IESO* will advise the *market participant* of this requirement when providing the *advance approval* referred to in sections ~~6.4.4.4A~~ 6.4.4.4B, 6.4.4.4C, or 6.4.4.5 or 6.4.4.5A or as soon as possible thereafter.
- 6.4.5 Where the *IESO* does not provide *advance approval* of a *planned outage* or does not give its final approval to a *planned outage* pursuant to section 6.4.4, the *IESO* shall work with the relevant *market participant* to re-schedule the *planned outage* to a date and time at which the *planned outage* will not or is not reasonably likely to have an adverse impact on the *reliable* operation of the *IESO-controlled grid*.



Upon the resubmission of the *planned outage*, the *IESO* shall where reasonably practicable take into account the date and time preferences of the *market participant*.

### Requests for Late Submissions of Planned Outages

6.4.6 A *market participant* may ~~not~~ make a request to the *IESO* for approval of a *planned outage* after the deadlines in sections 6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E ~~have~~ has expired, where the request represents an unexpected opportunity to accomplish work that would otherwise have been unable to proceed. The IESO may consider such late submissions where the opportunity presents a low risk to the reliability of the IESO-controlled grid and a low risk to the IESO. ~~or in the case of a planned outage requesting pre approval, after the deadline in section 6.4.1E has expired. The IESO will only consider forced outages once the deadlines in sections 6.4.1D and 6.4.1E have expired.~~

### Extensions

6.4.7 Each *market participant* shall notify the *IESO* if a *planned outage* which has been approved by the *IESO* will have a duration which exceeds the duration originally approved by the *IESO*, which notice shall include a request that the *IESO* approve the extension. Unless the extension is due to a *forced outage* condition, such notice shall be provided to the *IESO* in accordance with sections ~~6.4.1A~~6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E and will be treated as a new *outage* request.

6.4.8 If the *IESO* determines that an extension to the duration of a *planned outage* will or is reasonably likely to adversely affect the *reliability* of the *IESO-controlled grid* or will or is reasonably likely to require the re-scheduling of a *planned outage* submitted to the *IESO* pursuant to section 6.4.1 or the revoking of *advance approval*, or recall of a *planned outage* approved pursuant to section 6.4.4, the *IESO* shall reject such extension and the *market participant* shall use its reasonable best efforts to ensure that the duration of the *planned outage* does not exceed the duration originally approved by the *IESO* or such longer period as the *IESO* may advise in rejecting the extension requested.

### Revoke Advance Approvals

6.4.9 The *IESO* may, where necessary to maintain the *reliability* of the *IESO-controlled grid*, revoke an *advance approval* of a *planned outage*. Without limiting the generality of the foregoing, the *IESO* may revoke an *advance approval* if:

- 6.4.9.1 the *IESO* determines that either an *emergency operating state* or a *high-risk operating state* is occurring or is reasonably likely to occur at the time at which the *planned outage* would otherwise take place; or
- 6.4.9.2 necessary to avoid recalling a *planned outage* pursuant to section 6.4.11.

A *planned outage* that receives *advance approval* under section 6.4.4 but does not receive final approval pursuant to section 6.4.3.3 shall be considered to have had its *advance approval* revoked.

- 6.4.10 Where the *IESO* revokes *advance approval* of a *planned outage* pursuant to section 6.4.9, the *market participant* may elect either to resubmit or to cancel the *outage*. When the *market participant* elects to resubmit the *outage*, the *IESO* shall work with the relevant *market participant* to re-schedule the *planned outage* to a date and time at which the *planned outage* will not or is not reasonably likely to have an adverse impact on the reliable operation of the *IESO-controlled grid*. In re-scheduling the *planned outage*, the *IESO* shall where reasonably practicable take into account the date and time preferences of the *market participant*. A *planned outage* that is re-scheduled under this section must be resubmitted in accordance with the submission requirements in sections ~~6.4.1A~~6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E. To maintain the ~~time-stamp~~priority date of the approved *planned outage* prior to the revocation of the *advance approval*; the *planned outage* must be resubmitted in accordance with section 6.4.16.

## Recalls

- 6.4.11 The *IESO* may, where necessary to maintain the *reliability* of the *IESO-controlled grid*, recall a *planned outage* that has already commenced, having due regard to the time needed to return the *facilities* or equipment to service as identified by the relevant *market participant* pursuant to section 6.4.1.1 and shall so advise the relevant *market participant*. Such *market participant* shall arrange for the accelerated return to service of the *facilities* or equipment in accordance with the schedule identified by the *market participant* pursuant to section 6.4.1.1. The *IESO* shall not recall a *planned outage* unless further control action is required and it has revoked *advance approval* or rejected requests for approval of all other *planned outages* the revocation or rejection of which could eliminate the need to recall the *planned outage* that has already commenced.

## Embedded Generators

- 6.4.12 Each *distributor* shall, in reporting to the *IESO* pursuant to sections 6.2 and 6.3, identify to the *IESO* any *outages* that potentially constrain an *embedded generator* that is connected to its *distribution system*.

## Determining ~~Precedence of Outages~~Outage Priority

- 6.4.13 The *IESO* shall ~~time-stamp~~assign a priority date to each *outage* submission received by the *IESO*. Where the *IESO* is required or permitted by this section 6 to approve, reject, revoke *advance approval* of or recall one or more *planned outages*, such *planned outages* shall:

- 6.4.13.1 be given advance or final approval in order of ~~precedence~~priority determined on the basis of sections 6.4.14A to 6.4.1820; and

- 6.4.13.2 be rejected, be resubmitted, have *advance approval* revoked or be recalled in reverse order of ~~precedence-priority~~ determined on the basis of sections 6.4.14A to 6.4.1820.
- 6.4.13A [Intentionally left blank – section deleted]
- 6.4.14 [Intentionally left blank – section deleted]
- 6.4.14A Where an *outage* is granted *advance approval* in accordance with sections 6.4.4.4B, 6.4.4.4C, 6.4.4.5 and 6.4.4.5A:
- 6.4.14A.1 *outages* granted *quarterly advance approval* take priority over *outages* granted *weekly advance approval*, *three-day advance approval* or *one-day advance approval*; and
- 6.4.14A.2 *outages* granted *weekly advance approval* take priority over *outages* granted *three-day advance approval* or *one-day advance approval*; and
- 6.4.14A.3 *outages* granted *three-day advance approval* take priority over *outages* granted *one-day advance approval*; and
- 6.4.14A.4 within *quarterly advance approval*, *weekly advance approval*, *three-day advance approval* and *one-day advance approval*, an *outage* with an earlier priority date takes priority over other *outages* granted the same level of *advance approval*.
- 6.4.15 Where a *market participant* gives notice of a change in the commencement, duration or nature of a *planned outage* relative to the most recent *outage* submission, the *IESO* shall ~~stamp such notice~~ revise the priority date with the time at which ~~it such notice~~ was received by the *IESO*. ~~The revised priority date which time~~ shall be used by the *IESO* in determining the ~~precedence-priority~~ to be given to the *planned outage*. Where such notice reflects only a shortening in the duration of a *planned outage* relative to the most recent *outage* submission for that *planned outage*, the ~~time stamp~~ priority date associated with such previous *outage* submission shall be retained in determining the ~~precedence-priority~~ to be given to the *planned outage*.
- 6.4.15A [Intentionally left blank – section deleted]
- 6.4.16 Where:
- 6.4.16.1 the *IESO* revokes *advance approval* of a *planned outage* prior to the commencement thereof; and
- 6.4.16.2 the *market participant* subsequently re-submits the *planned outage* with the *IESO*, in accordance with sections ~~6.4.1A~~ 6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E, within five *business days* of the revocation;
- 6.4.16.3 [Intentionally left blank – section deleted]

the ~~time stamp~~priority date of the approved *planned outage* prior to the revocation of *advance approval* shall be deemed to be the ~~time stamp~~priority date of the re-submitted *planned outage* for purpose of determining the ~~precedence~~priority to be given to the *planned outage*.

6.4.17 Where:

6.4.17.1 the IESO rejects *advance approval* of a *planned outage* in accordance with section ~~6.4.4.4A~~6.4.4.4C, ~~or~~ 6.4.4.5 or 6.4.4.5A;

6.4.17.2 the *market participant* resubmits the *planned outage* to the IESO, in accordance with ~~in~~ sections ~~6.4.1A~~6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E, within five *business days* of the rejection; and

6.4.17.3 this was the first time the *planned outage* had been rejected,

the ~~time stamp~~priority date of the *planned outage* prior to the rejection will be deemed to be the ~~time stamp~~priority date of the re-submitted *planned outage* for purposes of determining the ~~precedence~~priority to be given to the *planned outage*.

6.4.18 [Intentionally left blank – section deleted]

6.4.19 Where:

6.4.19.1 the IESO recalls a *planned outage* that has already commenced; and

6.4.19.2 the *market participant* resubmits the *planned outage* to the IESO, in accordance with sections ~~6.4.1A~~6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E within five *business days* of the recall,

the ~~time stamp~~priority date of the *planned outage* prior to the recall will be deemed to be the ~~time stamp~~priority date of the re-submitted *planned outage* for purposes of determining the ~~precedence~~priority to be given to the *planned outage*.

6.4.20 Where:

6.4.20.1 the IESO does not grant quarterly advance approval of a planned outage that was scheduled to start in the first three months of a six month period, starting with the next calendar quarter; and

6.4.20.2 the market participant re-submits the planned outage for quarterly advance approval no later than the start of the six month period, starting with the next calendar quarter, in which the planned outage that was not granted quarterly advance approval was scheduled to start; and

6.4.20.3 the scheduled start date of the re-submitted *outage* which was not granted *quarterly advance approval* is revised to a date which is after the first three months of the six month period, starting with the next calendar quarter;

the priority date of the *planned outage* which was not granted *quarterly advance approval* will be deemed to be the priority date of the re-submitted *planned outage* for purposes of determining the priority to be given to the *planned outage*.

## 6.4A Return of Equipment or Facilities to Service

6.4A.1 No *market participant* shall return to service any equipment or *facilities* that are undergoing a *planned outage* unless:

6.4A.1.1 immediately prior to its return to service, or at a pre-arranged time specified by the IESO, the *market participant* has requested and has received the IESO's approval to return the equipment or *facilities* to service; and

6.4A.1.2 the return to service of the relevant equipment or *facilities* is undertaken under the direction of the IESO where the IESO has made the determination referred to in section 6.4A.2.3.

6.4A.2 The IESO shall:

6.4A.2.1 approve the return to service of equipment or *facilities* that are undergoing a *planned outage* unless it determines that such return to service will or is reasonably likely to have an adverse impact on the *reliability* of the IESO-controlled grid;

6.4A.2.2 promptly notify the *market participant* if a determination is made that a return to service of equipment or *facilities* will or is reasonably likely to have an adverse impact on the *reliability* of the IESO-controlled grid; and

6.4A.2.3 when providing the approval referred to in section 6.4A.2.1, advise the *market participant* if the return to service of equipment or *facilities* is to be undertaken under the direction of the IESO where the IESO has made a determination that this is necessary to maintain the *reliability* of the IESO-controlled grid.

6.4A.3 Where the IESO does not approve the return to service of equipment or *facilities* pursuant to section 6.4A.2.1, the IESO shall, subject to final confirmation by the IESO pursuant to 6.4A.1, advise the *market participant* when the equipment or *facilities* may be returned to service.

## 6.4B Notification of Commencement and Completion of Planned Outages

6.4B.1 Each *market participant* shall notify the IESO:

6.4B.1.1 subject to section 6.4.3.3, of the commencement of a *planned outage* at the time the relevant equipment or *facilities* are removed from service; and

6.4B.1.2 subject to section 6.4A.1.1, of the completion of a *planned outage* at the time the relevant equipment or *facilities* are fully returned to service.

## 6.7 Compensation

### Revoke Advance Approval or Recalls

6.7.1 *Transmitters* whose *outages* are rejected or have *advance approvals* revoked or have *outages* recalled by the *IESO* shall not be entitled to compensation for any costs, losses or damage associated with such rejection, revocation or recall.

6.7.2 *Generators, distributors or wholesale consumers* whose *outages* have *advance approval* revoked or have *outages* recalled by the *IESO* shall, subject to the exceptions defined in sections ~~6.7.3 and~~ 6.7.3A ~~and 6.7.3B~~, be entitled to compensation for out-of-pocket expenses associated with such revocation or recall only if:

6.7.2.1 the *outage* was originally provided *advance approval* by the *IESO* pursuant to 6.4.4 and was submitted in accordance with sections 6.4.1B, 6.4.1C, 6.4.1D and 6.4.1E;

6.7.2.2 the *outage* was recalled or had *advance approval* revoked by reason of a material error in the *IESO*'s demand forecast, a failure of *generation facilities* within the *IESO control area*, a failure of *facilities* forming part of the *IESO-controlled grid* or a failure of *interconnection facilities*; and

6.7.2.3 [Intentionally left blank – section deleted]

6.7.2.4 the out-of-pocket expenses exceed \$1000.00.

6.7.3 [Intentionally left blank – section deleted]

6.7.3A A *market participant* shall not be entitled to compensation under section 6.7.2 with respect to a *planned outage* of its *generation facility* that received a ~~14-day advance approval~~ quarterly advance approval or weekly advance approval and that *advance approval* was subsequently revoked by the *IESO* if:

6.7.3A.1 the *IESO* revoked the ~~14-day~~ *advance approval* as a result of a *forced outage* of another *generation facility* with the same *registered market participant* as the *generation facility* that was the subject of the *planned outage* and the *forced outage* occurred before 16:00 E.S.T. on



the third *business day* prior to the scheduled start of the *planned outage*; or

- 6.7.3A.2 the ~~14-day~~ *advance approval* was revoked as a result of a delayed return to service from a *planned outage* or *forced outage* of another *generation facility* with the same *registered market participant* as the *generation facility* that was the subject of the *planned outage*.

6.7.3B A market participant shall not be entitled to compensation under section 6.7.2 with respect to a *planned outage* that is granted *quarterly advance approval* and scheduled to start in the last three months of a six month period, starting with the current calendar quarter, and where the *quarterly advance approval* is subsequently revoked no later than one month prior to the start of the next calendar quarter.

- 6.7.4 The out-of-pocket expenses claimed by *generators*, *distributors* or *wholesale consumers* pursuant to section 6.7.2 shall be subject to verification and audit by the *IESO* and shall, where paid, be recovered by the *IESO* in accordance with section 4.8 of Chapter 9.

- 6.7.5 A *generator*, *distributor* or *wholesale consumer* shall not be entitled to compensation for any costs, expenses, losses or damage associated with an *outage* which has been rejected by the *IESO* provided that, in exceptional circumstances and where a *generator*, *distributor* or *wholesale consumer* has suffered substantial financial harm as a direct result of such rejection, the *generator*, *distributor* or *wholesale consumer* may request that an *arbitrator* be appointed pursuant to section 2 of Chapter 3 to determine whether and the amount of any compensation which the *generator*, *distributor* or *wholesale consumer* shall be entitled to recover as a result of the rejection of the *outage* by the *IESO*. In the case of *generators*, no such compensation shall be recoverable under this section 6.7.5 unless the *generator* demonstrates that the amount claimed cannot be recovered through market prices.

- 6.7.6 [Intentionally left blank – section deleted]

- 6.7.7 Each act of revocation or recall by the *IESO* shall be treated separately for compensation purposes.

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## Chapter 11

### 1. Definitions

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~~*14-day advance approval means IESO approval of a planned outage of equipment no later than 16:00 EST on the last business day that is at least 14 calendar days before the schedule start date of the planned outage;*~~

*advance approval means IESO approval of a planned outage before the scheduled start date of the planned outage. Advance approval includes ~~14-day advance approval~~ quarterly advance approval, weekly advance approval, ~~or three-day advance approval~~ and ~~pre-approval~~ one-day advance approval;*

*forced outage means an unanticipated intentional or automatic removal from service of equipment or the temporary de-rating of, restriction of use or reduction in performance of equipment;*

~~*one-day advance approval means IESO approval of a planned outage of equipment no later than 14:00 EST on the business day prior to the scheduled start date of the planned outage;*~~

*outage means the removal of equipment from service, unavailability for connection of equipment or temporary derating, restriction of use, or reduction in performance of equipment for any reason including, but not limited to, to permit the performance of inspections, tests or repairs on equipment, and shall include a planned outage, a forced outage and an automatic outage;*

*planned outage means an outage which is planned and intentional;*

~~*pre-approval means IESO approval of a planned outage pursuant to section 6.2.2I of Chapter 5, no later than 14:00 EST on the business day prior to the scheduled start date of the planned outage;*~~

~~*quarterly advance approval means IESO approval of a planned outage of equipment no later than the end of the month that is one month prior to the start of a six month period, starting with the next calendar quarter, in which the planned outage is scheduled to start;*~~

*three-day advance approval means IESO approval of a planned outage of equipment no later than 16:00 EST on the third business day prior to the scheduled start date of the planned outage;*

~~*weekly advance approval means IESO approval of a planned outage of equipment no later than 16:00 EST on the second Friday prior to the start of the week, starting Monday, in which the planned outage is scheduled to start;*~~



**PART 5 – IESO BOARD DECISION RATIONALE**

The changes will enable the IESO to improve the outage management process and related services for market participants, and maintain its reliability obligations related to both outage assessment timelines and processes.